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Typhonium watanabei (Araceae), a New Species from Thailand

Jin MURATA[a], Duangchai SOOKCHALOEM[b] and Wilbert HETTERSCHEID[c]

[a]Botanical Gardens, Graduate School of Science, University of Tokyo,
Hakusan 3–7–1, Bunkyo-ku, Tokyo, 112-0001 JAPAN;
[b]The Forest Herbarium, Royal Forest Department, Ladyao, Chatuchak, Bangkok, 10900 THAILAND;
[c]Chrysantenstraat 28, 1214 BM Hilversum, THE NETHERLANDS

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A new species *Typhonium watanabei* J.Murata, Sookchaloem & W.Hett. is described from Thailand.

Key words: Araceae, new species, systematics, Thailand, *Typhonium*.

The genus *Typhonium* was recently thoroughly revised for Thailand by the present authors (Hetterscheid et al. 2001). A total of 31 species including 17 new species were recognized in Thailand. At the final stage of preparing the manuscript we noticed it necessary to separate another new species from *T. bognerianum* W. Hett. & al. but time was too short to include it for the publication. Here we intend to describe it as *T. watanabei*, in memory of Dr. Kiyohiko Watanabe, who worked at the Botanical Garden of Penang and illustrated this species for the first time (Corner and Watanabe 1969).

Typhonium watanabei is very similar to *T. bognerianum* but distinct from the latter in the characters of the inflorescence. In *T. watanabei* the spathe limb is more than four times longer than the tube and long caudate-acuminate while it is about two times longer than the tube and simply acuminate in *T. bognerianum*. The spadix appendage is longer and more slender and the basal stipe is much shorter in *T. watanabei*. The ovary is probably bottle shaped and the stigma appears much narrower than the ovary in *T. watanabei* but the ovary is probably cylindrical and the stigma appears as wide as the ovary in *T. bogneranum*. *Typhonium watanabei* is also similar to *T. lineare* W. Hett. & V.D.Nguyen in having pedate leaves but in *T. lineare* the spathe is narrower, spadix appendage is weakly (not strongly) stipitate and the stigma is wide and annulate. The pedate leaf of *T. watanabei* also resembles *T. pedatisectum* Gage ex Engler, another species with pedate leaves. However, *T. pedatisectum* is distinct from *T. watanabei* as well as *T. bognerianum* in the size of inflorescence, which is described as having a spathe of 18 cm long and sterile flowers of 5 mm long (Engler 1920).

The characeristics of the inflorescence in *T. watanabei* suggest that it is closer to *T. blumei* and *T. roxburghii*, in sect. Typhonium (Sriboonma et al. 1994), than any other species although the size of inflorescence and leaf characters are similar to *T. bognerianum*.

Typhonium watanabei J.Murata, Sookchaloem & W.Hett., sp. nov.

Typhonio bogneriano similis sed spathae lamini valde caudato-acuminato, spadici appendice flagellari longius et stipes basalis brevissime differt.

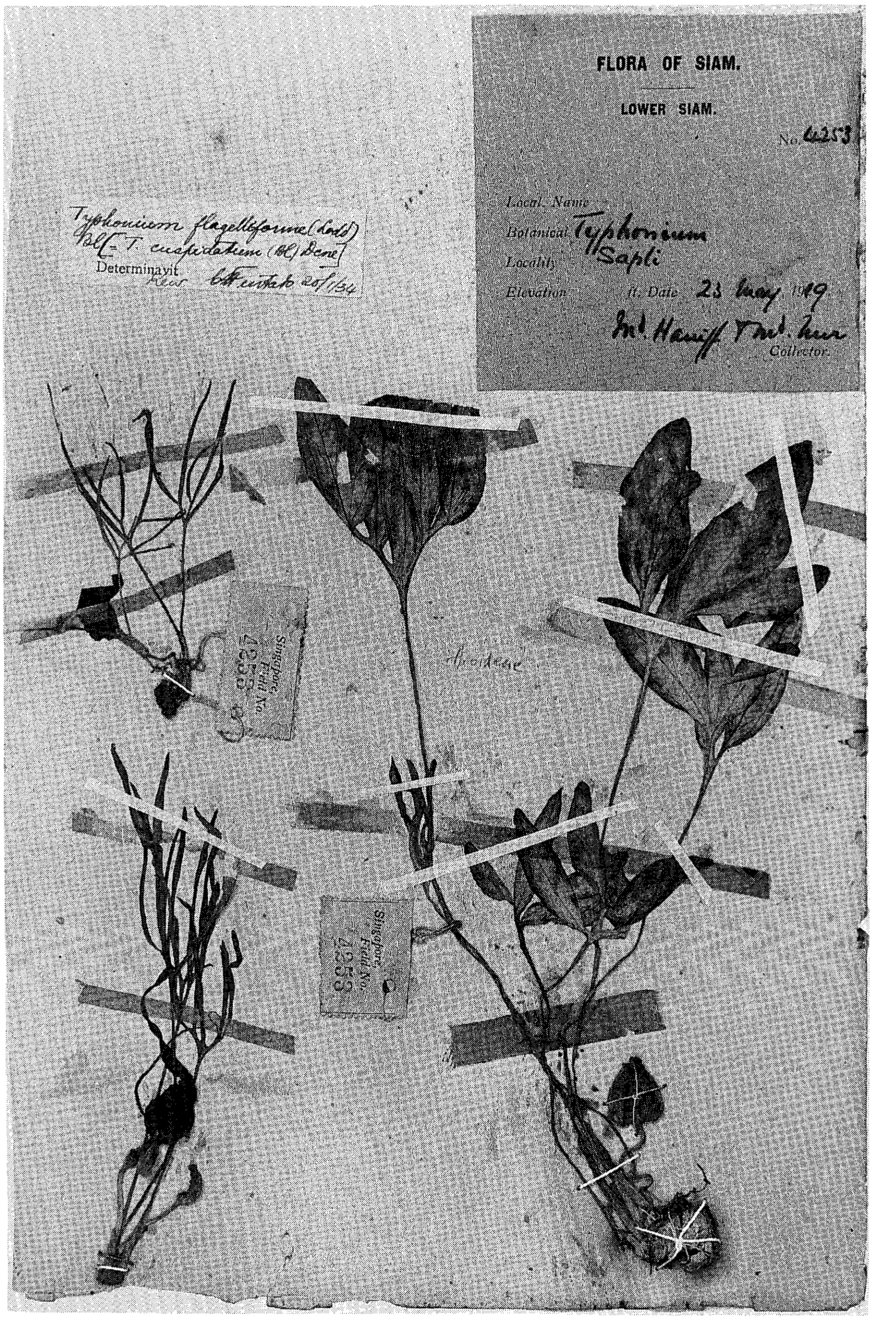

Fig. 1. Holotype of *Typhonium watanabei* (Haniff & Nur 4253, SING 075652).

Typus: Thailand, Lower Siam, Sapli, 23 May, 1929, Haniff & Nur 4253 (holotypus SING, isotypus K).

Typhonium flagelliforme sensu Corner & Watanabe, Illustr. Guide Trop. Pl.: 1047 (1969), excl. description.

Tuber subglobose, 1.5–2 cm in diam. Petiole slender, to 20 cm long, smooth; leaf blade ovate to oblong in outline, pedately dissected into 5–7 lobes of approximately same size, lobes linear, 5–8 cm long, less than 4 mm wide, acuminate, or occasionally elliptic to narrowly elliptic and then 4–6 cm long, 1–2.2 cm wide, base decurrent. Inflorescence appearing after the leaves; peduncle 2–5 cm long; spathe 5–7 cm long, tube narrowly ovate, 1–1.3 cm long, 3–5 mm wide, limb ovate-lanceolate, 4–6 cm long, 1–1.3 cm wide, acuminate to long caudate. Spadix including appendage nearly as long

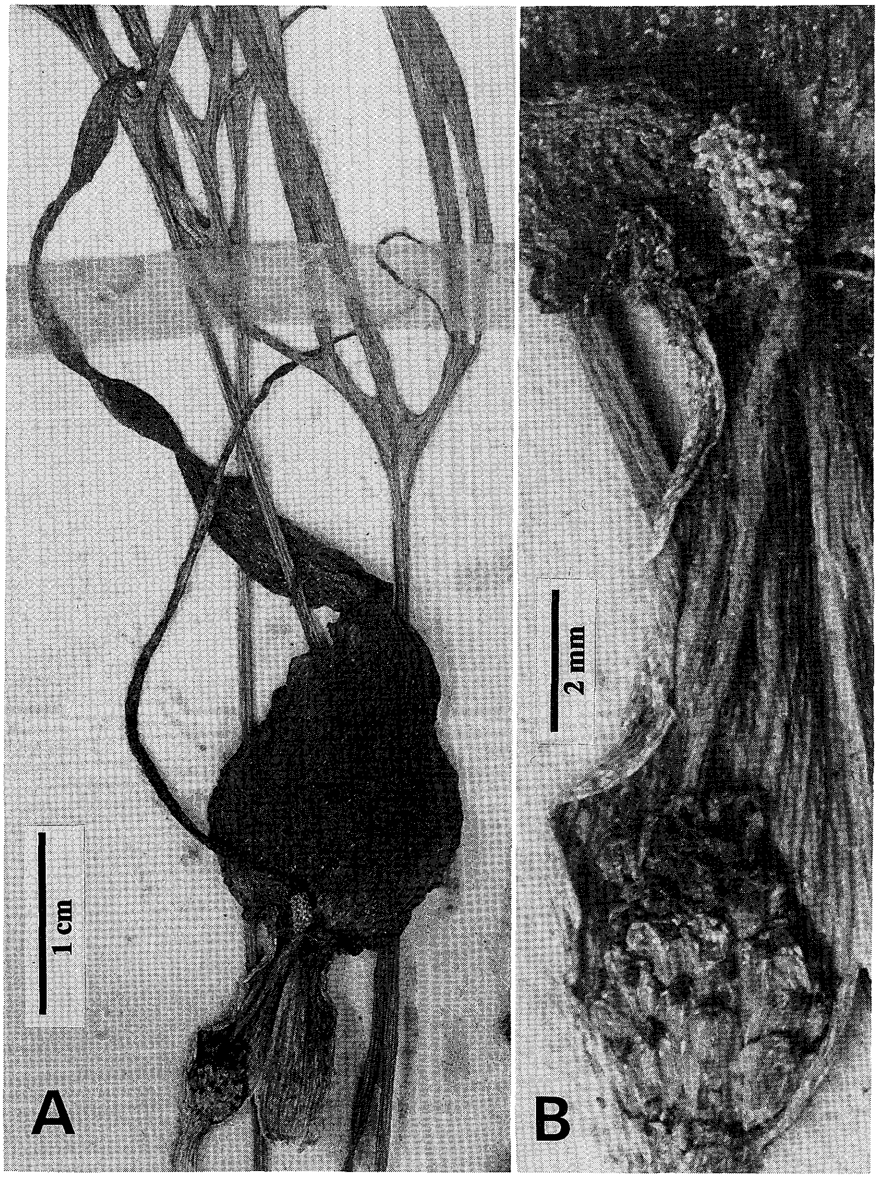

Fig. 2. *Typhonium watanabei* (holotype). A. Inflorescence. B. Spadix.

as the spathe; basal female part ca. 2 mm long with about 4 rows of flowers; sterile interstice ca. 7 mm long, lower 1.5 mm covered with staminodes, naked above; male part 2 mm long; appendage whip-like, abruptly narrowed to very short stipe at base. Female flowers oblong, stigma much narrower than ovary. Staminodes filiform, c. 1 mm long, variously recurved.

Distribution: Thailand (known only from the type locality).

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邑田 仁[a]，スクチュロム D[b].，ヘテルシェイド W[c].：**タイ国産リュウキュウハンゲ属の新種 *Typhonium watanabei*（サトイモ科）**

著者らはタイ国産のリュウキュウハンゲ属の分類を再検討し，17種の新種を記載した．この結果，タイ国には31種の本属植物が分布し，多様性の中心であることが明らかとなった．前報を準備した最終段階で，*T. bognerianum* とよく似たもうひとつの種を記載する必要があることに気づいたが，検討が間にあわなかったので，*T. watanabei* J.Murata, Sookchaloem & W.Hett. としてここに発表する．種形容語はペナンの植物園で熱帯植物を研究し，本種を最初に図示した渡辺清彦博士に献名したものである．本種の特徴のひとつである細く裂けた鳥足状複葉は *T. bognerianum* と共通であるが，花序付属体が鞭状に長く伸びること，その柄がきわめて短いこと，柱頭が点状で子房の上部を覆ってしまわないことなどの点で明らかに区別される．花序は著しく小形であるが，その形状から，sect. Typhonium の中のリュウキュウハンゲ—*T. roxburghii* 群に属するものと考えられる．

([a]東京大学大学院理学系研究科附属植物園，
[b]タイ国立樹木標本館，
[c]オランダ・ヒルフェルスム，
クリサンテンストラート)